

IN THE CLAIMS:

Please rewrite the following claims (replacement claims) as follows:

A1
3. An air flow control valve as claimed in claim 1, wherein said valve body has a bowl portion in which said inlet and said outlet are located, and a cap portion in which said valve control means is located, said cap portion having screw threads thereon adapted to engage with screw threads on said bowl portion.

A2
5. An air flow control valve as claimed in claim 3, wherein screw threads on said bowl portion are of female configuration, and threads on said cap portion are of male configuration.

6. An air flow control valve as claimed in claim 3, wherein the cross sectional area of said bowl portion's annular space relative to said valve seat's area is in the range of 2.5:1 to 4.5:1.

7. An air flow control valve as claimed in claim 3, wherein the cross sectional area of said bowl portion's annular space relative to said valve seat's area is in the range of 3.2:1 to 3.6:1.

8. An air flow control valve as claimed in claim 1, wherein said valve seat's internal diameter is larger than said outlet's internal diameter.

9. An air flow control valve as claimed in claim 1, wherein said tubular pedestal's inner wall tapers convergently from said valve seat towards said outlet.

10. An air flow control valve as claimed in claim 1, wherein said inlet and said outlet have a suitable connection arrangement for connecting air flow conduits to said valve.

12. An air flow control valve as claimed in claim 1, wherein said diaphragm has a bleed hole therethrough adapted to feed pressurised air from said annular space into a volume above said diaphragm.

13. An air flow control valve as claimed in claim 1, wherein said diaphragm is spring-loaded into engagement with said valve seat.

16. A valve body and cover as claimed in claim 14, wherein said engagement members are located outside of a circumference of said cover.

17. A valve body and cover as claimed in claim 14, wherein said engagement members are located within a circumference of said cover.

18. A valve body and cover as claimed in claim 14, wherein said cover and said body include a releasable securing means so that said cover cannot be unsecured from said body until said releasable securing means has been released.

19. A valve body and cover as claimed in claim 14, wherein said cover and said body each have an aperture therein so that once said engagement members are engaged, said apertures are aligned so as to receive a locking means.

22. A valve body and cover as claimed in claim 14, wherein said threaded portion of one or both of said cover and said body includes at least one groove extending generally laterally relative to the thread direction, said at least one groove permitting the exhaust of gas in said valve body once a seal between said cover and said body is broken.

23. A valve body and cover as claimed in claim 14, wherein said engagement members can be protruding bosses, lugs, faces, pins, or any appropriate formation, or

combinations of these, which can extend laterally or axially relative to the valve body and or cover.

26. An operator as claimed in claim 24, wherein said body member can be made from a plate having on one side connection means to connect either directly or remotely to said control valve.

27. An operator as claimed in claim 24, wherein said body member includes support members on said second side extending away therefrom.

28. An operator as claimed in claim 24, wherein body member includes a peripheral wall therearound.

29. An operator as claimed in claim 24, wherein said body member is generally cup shaped.

30. An operator as claimed in claim 25, wherein said second member is a solenoid casing held by or which holds said body member.

31. An operator as claimed in claim 25, wherein said second member is a tubular member or a ferrule tube, which is held by or which holds said body member, said tubular member in turn being held by or which holds a solenoid casing.

32. An operator as claimed in claim 25, wherein said second member is held by support members on said body member so as to be kept a predetermined distance away from said seat.

33. An operator as claimed in claim 25, wherein said second member has associated therewith a bias means to bias said valve member towards or away from said seat.

34. An operator as claimed in claim 24, wherein said operator, when in use, is directly connected to said control valve.

35. An operator as claimed in claim 24, wherein said operator, when in use, is connected to said control valve by means of a tube allowing said operator to be remotely located relative to said control valve.

36. An operator as claimed in claim 24, wherein said body member has a plurality of ports formed therein to allow the escape of gas therethrough.

38. An operator as claimed in claim 24, wherein said valve member is a plunger.